

Natural Gas Fired Combustion Turbines (Simple Cycle)

Plant (Year)	Attainment Status	Unit	Turbine Capacity (MW)	Turbine Max Hourly HI Rate (MMBtu/hr)	40 CFR Part 60, Subpart KKKK ¹	State Permit NO _x Limit ²	Max NO _x Emissions Allowed by Permit (TPY)	NO _x Controls
Plant A (2010)	Attainment	CT 1	50	437	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	15.5	DLN+SCR
		CT 2	50	437	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	15.5	DLN+SCR
		CT 3	50	437	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	15.5	DLN+SCR
		CT 4	50	437	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	15.5	DLN+SCR
Plant B (2015)	Attainment	CT 1	179.4	2291	15 ppm @ 15% O ₂ or 0.43 lb/MWh	9.0 ppm @15% O ₂	73.60	DLN
		CT 2	179.4	2291	15 ppm @ 15% O ₂ or 0.43 lb/MWh	9.0 ppm @15% O ₂	73.60	DLN
Plant C (CT 1 and CT 2 - 2015 CT 2 and CT 3 CT 4 - 2016)	Attainment	CT 1	100	858	15 ppm @ 15% O ₂ or 0.43 lb/MWh	2.5 ppm @15% O ₂	24.08	W+SCR
		CT 2	100	858	15 ppm @ 15% O ₂ or 0.43 lb/MWh	2.5 ppm @15% O ₂	24.08	W+SCR
		CT 3	100	858	15 ppm @ 15% O ₂ or 0.43 lb/MWh	2.5 ppm @15% O ₂	24.08	W+SCR
		CT 4	100	858	15 ppm @ 15% O ₂ or 0.43 lb/MWh	2.5 ppm @15% O ₂	24.08	W+SCR
Plant D (CT 1 2015 CT 2 - 2016)	Attainment	CT 1	202	1941	15 ppm @ 15% O ₂ or 0.43 lb/MWh	9.0 ppm @15% O ₂	141	DLN
		CT 2	202	1941	15 ppm @ 15% O ₂ or 0.43 lb/MWh	9.0 ppm @15% O ₂	141	DLN
		CT 3	202	1941	15 ppm @ 15% O ₂ or 0.43 lb/MWh	9.0 ppm @15% O ₂	141	DLN
Plant E (2018)	Nonattainment	CT 1	71.2	921.7	15 ppm @ 15% O ₂ or 0.43 lb/MWh	15.0 ppm @15% O ₂	43.73	DLN
		CT 2	71.2	921.7	15 ppm @ 15% O ₂ or 0.43 lb/MWh	15.0 ppm @15% O ₂	43.73	DLN
		CT 3	71.2	921.7	15 ppm @ 15% O ₂ or 0.43 lb/MWh	15.0 ppm @15% O ₂	43.73	DLN
		CT 4	71.2	921.7	15 ppm @ 15% O ₂ or 0.43 lb/MWh	15.0 ppm @15% O ₂	43.73	DLN

Natural Gas Fired Combustion Turbines (Simple Cycle)

		CT 5	71.2	921.7	15 ppm @ 15% O ₂ or 0.43 lb/MWh	15.0 ppm @15% O ₂	43.73	DLN
		CT 6	71.2	921.7	15 ppm @ 15% O ₂ or 0.43 lb/MWh	15.0 ppm @15% O ₂	43.73	DLN
Plant F (2017)	Nonattainment	CT 1	50	474	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	8.73	DLN + SCR
		CT 2	50	474	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	8.73	DLN + SCR
Plant G (2017)	Attainment	CT 1	50	474	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	8.73	DLN + SCR
		CT 2	50	474	25 ppm @ 15% O ₂ or 1.2 lb/MWh	0.14 lb/MWh	8.73	DLN + SCR

Abbreviations

CT - Combustion Turbine

DLN - Dry Low NO_x Burner

HI - Heat Input

MW - Megawatt

MMBtu/hr - one million British Thermal Units per Hour

NO_x - Oxides of Nitrogen

ppm @ 15% O₂ - parts per million at 15% oxygen concentration in the stack, i.e. NO_x emission limit expressed as a pollutant concentration

SCR - Selective Catalytic Reduction

TPY - Tons Per Year

W - Water Injection

¹ 40 CFR Part 60, Subpart KKKK covers the New Source Performance Standards (NSPS) for natural gas-fired combustion turbines constructed, modified, or reconstructed after February 18, 2005, as well as any associated heat recovery steam generators (HRSG).

² Plants (A), (F), and (G) registered using the Air Quality Standard Permit for Electric Generating Units and their NO_x Permit Limit was set in lb/MWh. All other plants are authorized under a general air quality permit (Chapter 116, Subchapter B).